ABSTRACT OF THE DISCLOSURE

The principles of the present invention relate to using externally parameterizeable constraints in a font-hinting language to synthesize font variants. A computing system accesses a scaled font that has been scaled for rendering at a target size and a target resolution. The scaled font includes hints that constrain how glyphs of the scaled font are to be rendered at the target size and target resolution. The computing system accesses one or more external font parameters that alter how the glyphs of the scaled font are to be rendered. The computing system applies the one or more external font parameters to the scaled font to synthesize a font variant such that hints from the scaled font are preserved in the font variant. The computing system can render glyphs of the font variant that comply with the one or more external font parameters and the hints.

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WORKMAN NYDEGGER
A PROFESSIONAL CORPORATION
ATTORNEYS AT LAW
1000 EAGLE GATE TOWER
60 EAST SOUTH TEMPLE
SALT LAKE CITY, UTAH 84111

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